



SHARP Overview

Each year the Summer High School Apprenticeship Research Program (SHARP) offers a select group of approximately 200 high school students the opportunity to participate in an intensive science and engineering apprenticeship program. The students are selected on the basis of having shown the aptitude for and interest in science and engineering careers. The Program operates during the summer months for a minimum of eight weeks or greater at a participating National Aeronautics and Space Administration (NASA) Field Installation.

Apprenticeship Experience

As apprentices, the students learn and earn. After participating in an orientation program, the apprentices are assigned to work with a NASA mentor in a specific area of science or

technology. During the apprenticeship, students have the opportunity to:

- Conduct meaningful research
- Interact with students from different racial and ethnic backgrounds
- Participate in a variety of enrichment activities that provide:
 - Opportunities to develop oral and written communications and computer and leadership skills
 - Multicultural experiences

Apprentices also prepare written final reports and abstracts of their research studies.

SHARP is specifically designed to attract and increase underrepresented students' participation and success rates in mathematics and science courses, as well as to encourage career paths that help build a pool of underrepresented science and engineering professionals in the workplace.

Talented high school students are encouraged to apply for SHARP with the understanding that:

- The Program is for underrepresented students.
- The Program is not available for more than two years.

This Program is for groups underrepresented in math, science, or technology—African American, Native Alaskan, American Indian, Hispanic, Pacific Islander (Natives of the Philippines, Guam, American Samoa, or

Micronesia)—including persons with disabilities that limit a major life function.

SHARP Eligibility Requirements

To become participants, applicants must meet the following eligibility requirements:

- Be a U.S. citizen who will be at least 16 years old by the time the Program starts in June.
- Demonstrate a strong interest in and aptitude for a career in mathematics, engineering, or the sciences.
- Be a permanent resident (in accordance with state residency requirements) and attend a school within the fifty-mile radius of the NASA Field Installation.
- Be available on a full-time basis (40 hours per week) for the entire duration of the Program.
- Be willing to participate in a formal interview, if chosen as a finalist, as part of the placement process.

NASA's Education Vision

NASA's Education Vision is to promote excellence in America's education system by enhancing and expanding scientific and technological competence. NASA's elementary and secondary programs seek to demonstrate the application of science, mathematics, and technology to capture students' interests in these fields.

SHARP Site Locations

SHARP operates from June through August at these NASA sites:

■ Ames Research Center

Attn: External Affairs Office
Mail Stop 223-3
Moffett Field, CA 94035

■ Dryden Flight Research Center

Attn: Public Affairs Commercial Technology and
Education Office
P.O. Box 273, Mail Stop D-4839A
Edwards, CA 93523-0273

■ Goddard Space Flight Center

Attn: Chief, Education Office
Bldg. 28, Room N165
Greenbelt, MD 20771

■ Johnson Space Center

Attn: Program Coordinator
Human Resources Development Branch (AH3)
Bldg. 45, Room 146B
Houston, TX 77058

■ Kennedy Space Center

Attn: Student Educational Programs Specialist
Center for Space Education
Bldg. M6306, Room 3000
Kennedy Space Center, FL 32899

■ Langley Research Center

Attn: Pre-College Officer
Mail Stop 400
Hampton, VA 23681

■ Lewis Research Center

Attn: Educational Specialist
21000 Brookpark Road
Mail Stop 7-4
Cleveland, OH 44135

■ Marshall Space Flight Center

Attn: Employee Program Specialist
Education Programs Office (CL-01)
Marshall Space Flight Center, AL 35812

■ Stennis Space Center

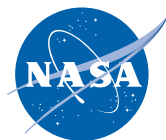
Attn: Student Programs Coordinator
Bldg. 1100, Rm. 1030
Mail Code LA00
Stennis Space Center, MS 39529

Applicant Information

High school students who reside within commuting distances to one of these NASA Field Installations may contact the offices listed above for application information. For information from the national level, contact the NASA SHARP Program Manager:

■ Modern Technology Systems, Inc.

6801 Kenilworth Avenue
Suite 200
Riverdale, MD 20737
(301) 985-5171
E-mail: Sharp@mtsibase.com



National Aeronautics and
Space Administration

**Office of Human Resources
and Education**
Education Division

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The graphic features a teal background with a collage of images including a NASA logo, a computer keyboard, mathematical formulas like $E=mc^2$ and $a^2+b^2=c^2$, and a view of Earth from space. The word "SHARP" is prominently displayed in large, white, bold letters. Below it, the text "Summer High School Apprenticeship Research Program" is written in white. A table in the top right corner lists "Educational Program" with columns for "Teachers & Students" and "Grades 10-12". A list of program features is on the right, and contact information for Modern Technology Systems, Inc. (MTSI) is at the bottom right.

| Educational Program | |
|---------------------|--------------|
| Teachers & Students | Grades 10-12 |

SHARP

Summer High School Apprenticeship Research Program

- NASA Field Center Placements
- Eight-Week Paid Apprenticeship
- Hands-on Research Experiences
- Mentors and Role Models
- Exposure to Careers Related to Mathematics, Sciences, and Engineering
- Course, College, and Career Information
- Enrichment Activities

Conducted by
Modern Technology
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